10

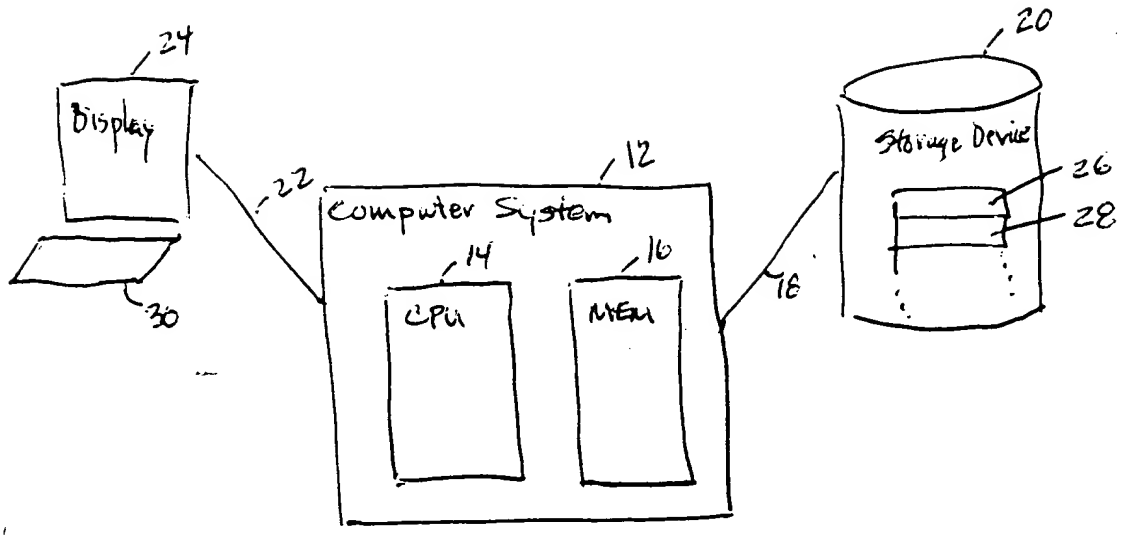
24
Display
22
12
Computer System
14
CPU
16
MEM
18
20
Storage Device
26
28
30

FIG. 1

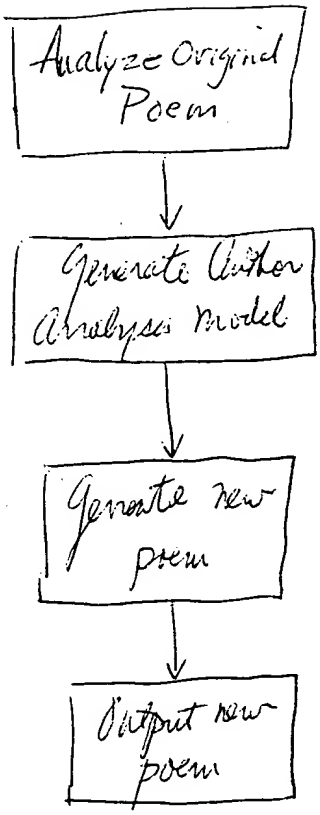
Analyze Original Poem
Generate Author Analysis Model
Generate new poem
Output new poem

FIG. 2

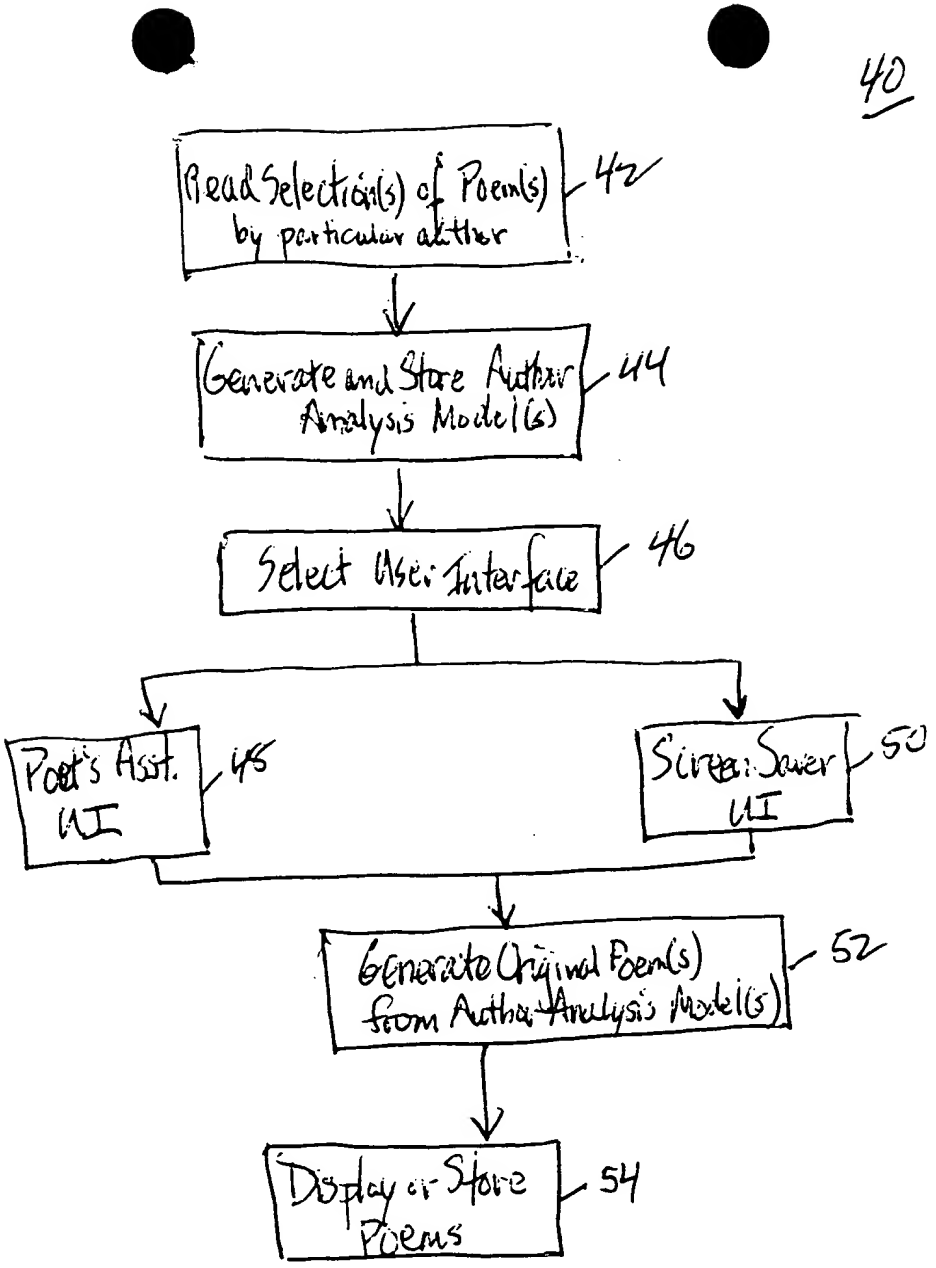
40
Read Selection(s) of Poem(s) by particular author
42
Generate and Store Author Analysis Model(s)
44
Select User Interface
46
Poet's Asst. UI
48
Screen Saver UI
50
Generate Original Poem(s) from Author Analysis Model(s)
52
Display or Store Poems
54

FIG. 3

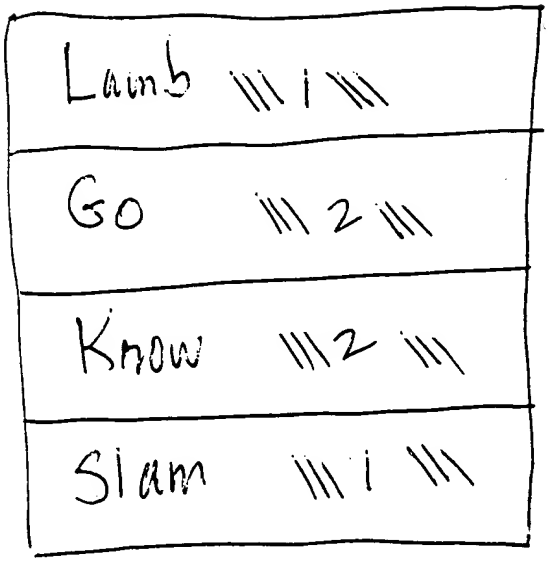

FIG. 4

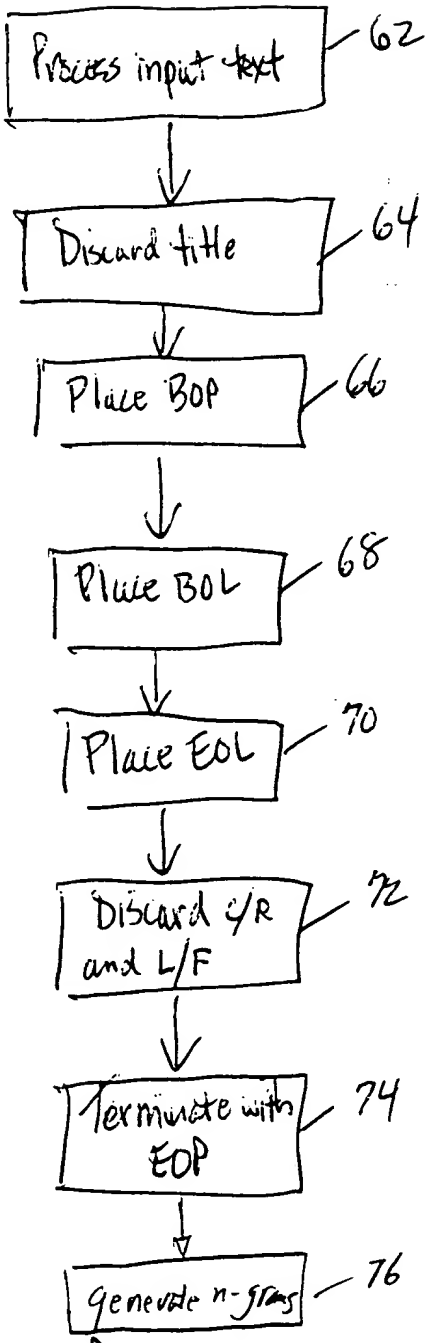
Process input text
62
Discard title
64
Place BOP
66
Place BOL
68
Place EOL
70
Discard C/R and L/F
72
Terminate with EOP
74
Generate n-grams
76

FIG. 5

DO NOT = DOCUMENT

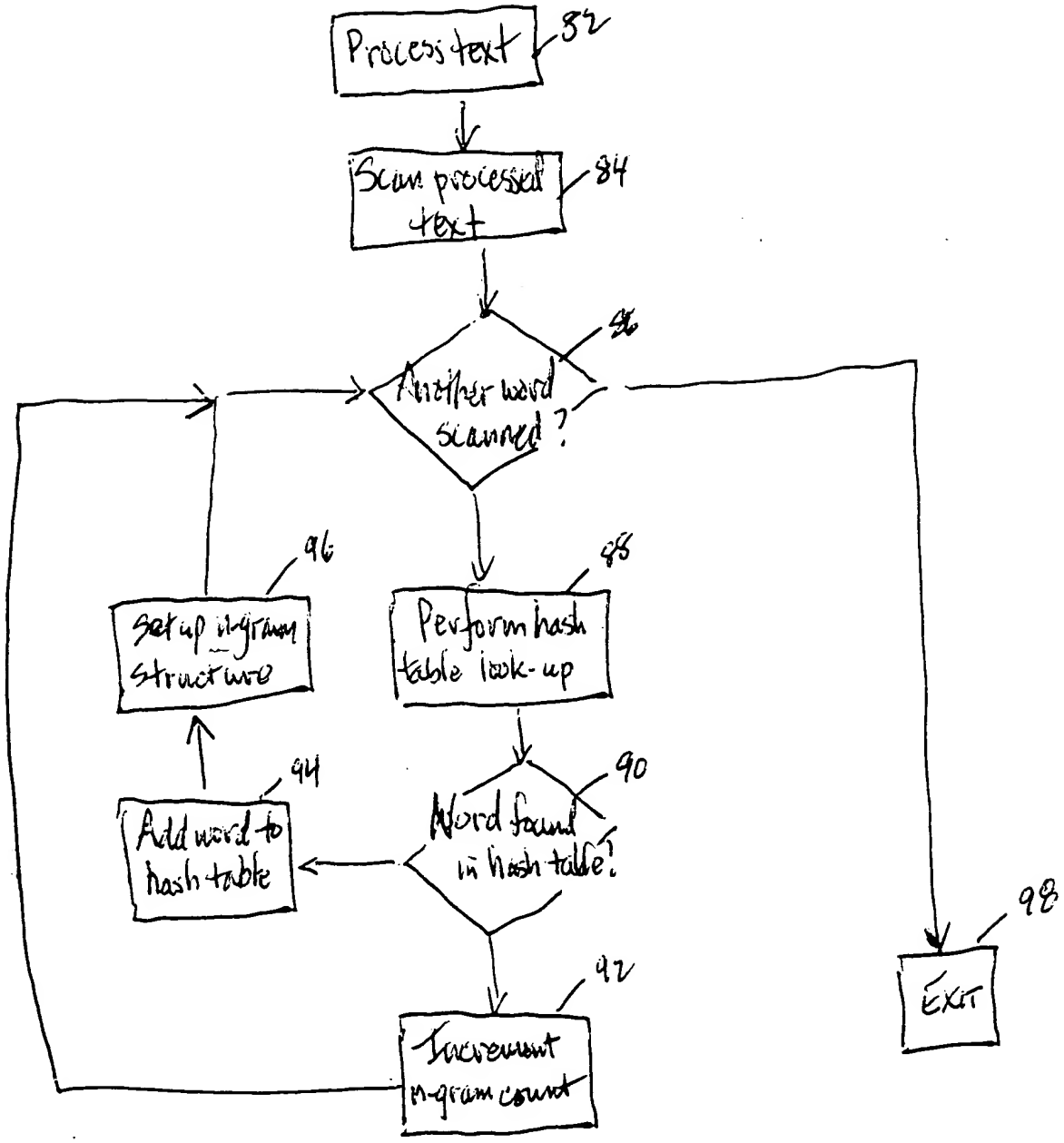

FIG. 6

100

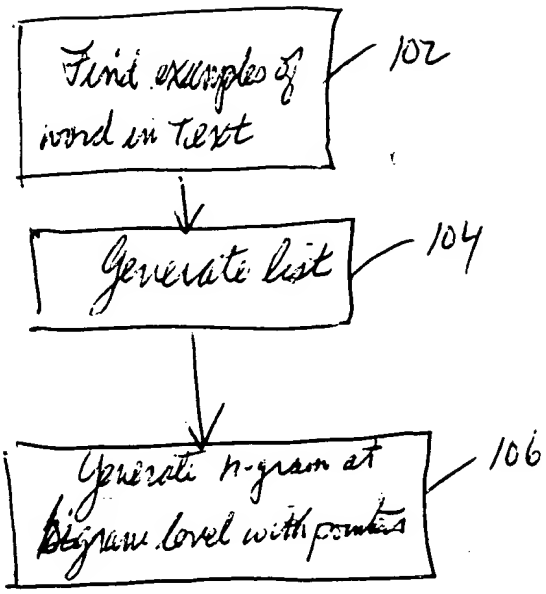
Find examples of word in text
102
Generate list
104
Generate n-gram at bigram level with pointers
106

FIG. 7

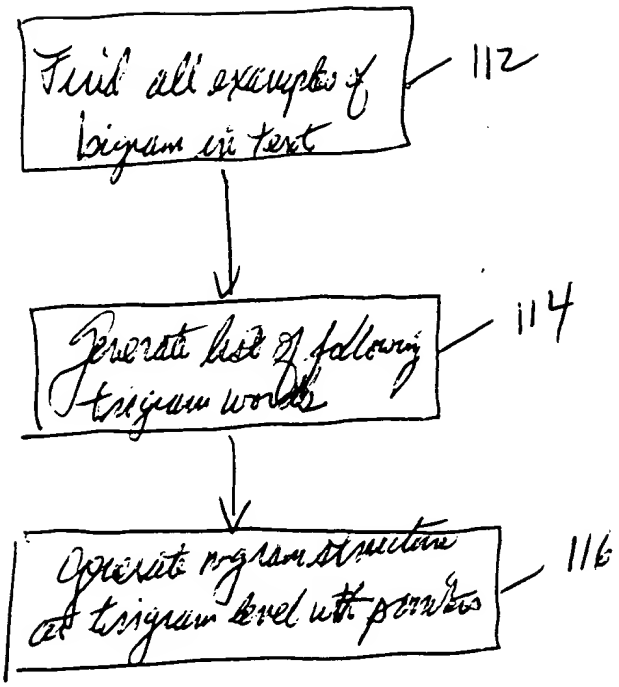
110
Find all examples of trigram in text
112
Generate list of following trigram words
114
Generate program structure at trigram level with pointers
116

FIG. 8

120

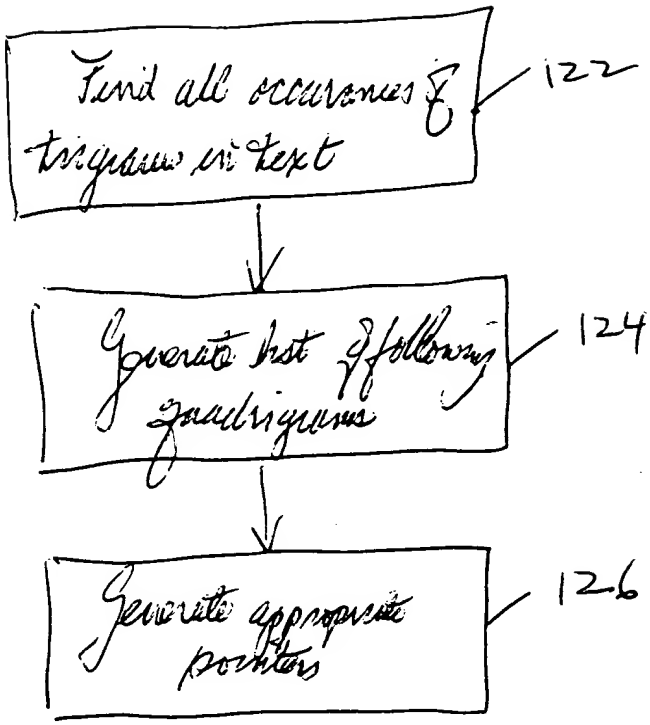
Find all occurrences of trigrams in text
122
Generate list of following quadrigrams
124
Generate appropriate pointers
126

FIG. 9

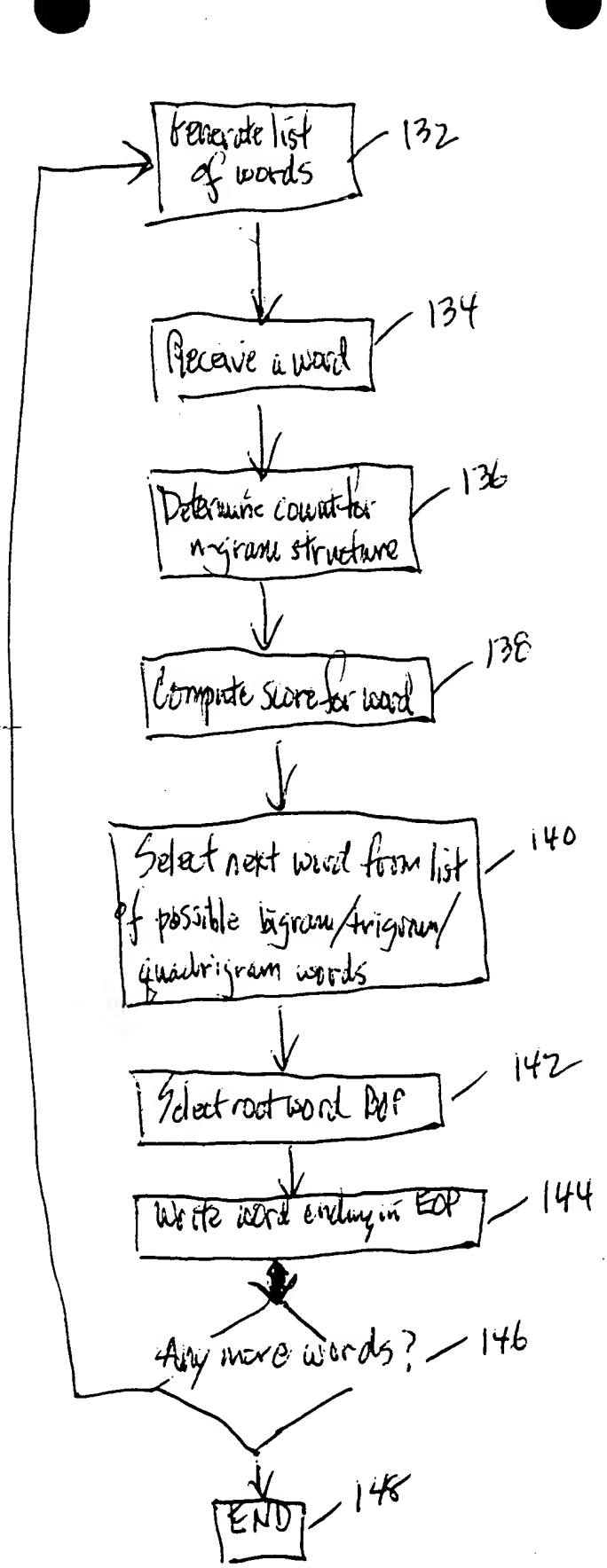
130
Generate list of words
132
Receive a word
134
Determine counter n-gram structure
136
Compute score for word
138
Select next word from list of possible bigram/trigram/quadrigram words
140
Select root word BOP
142
Write word ending in EOP
144
Any more words?
146
END
148

FIG. 10

160

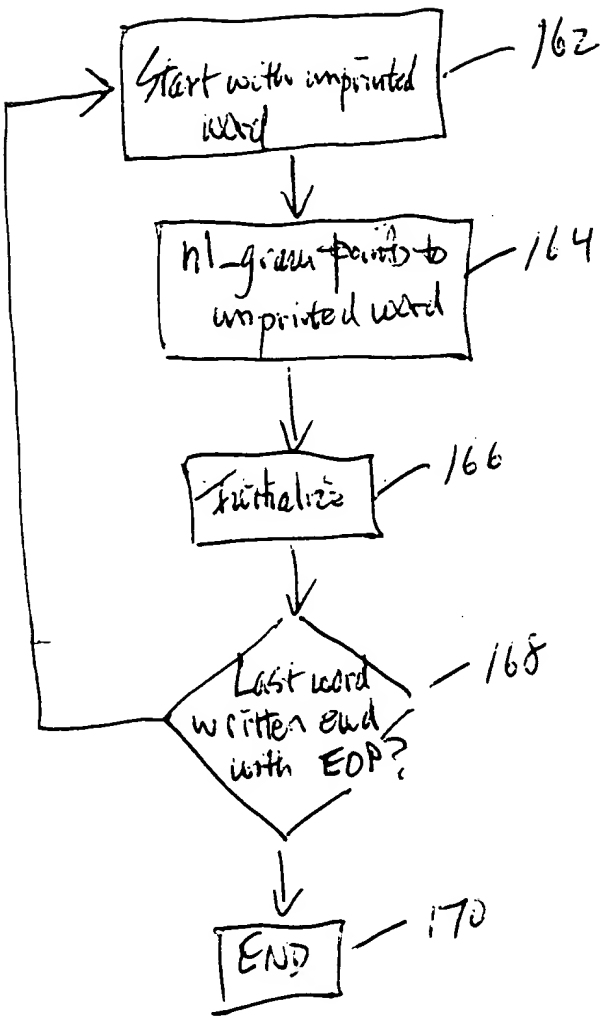
Start with imprinted word
162
n1_gram points to imprinted word
164
Initialize
166
Last word written end with EOP?
168
END
170

FIG. 11

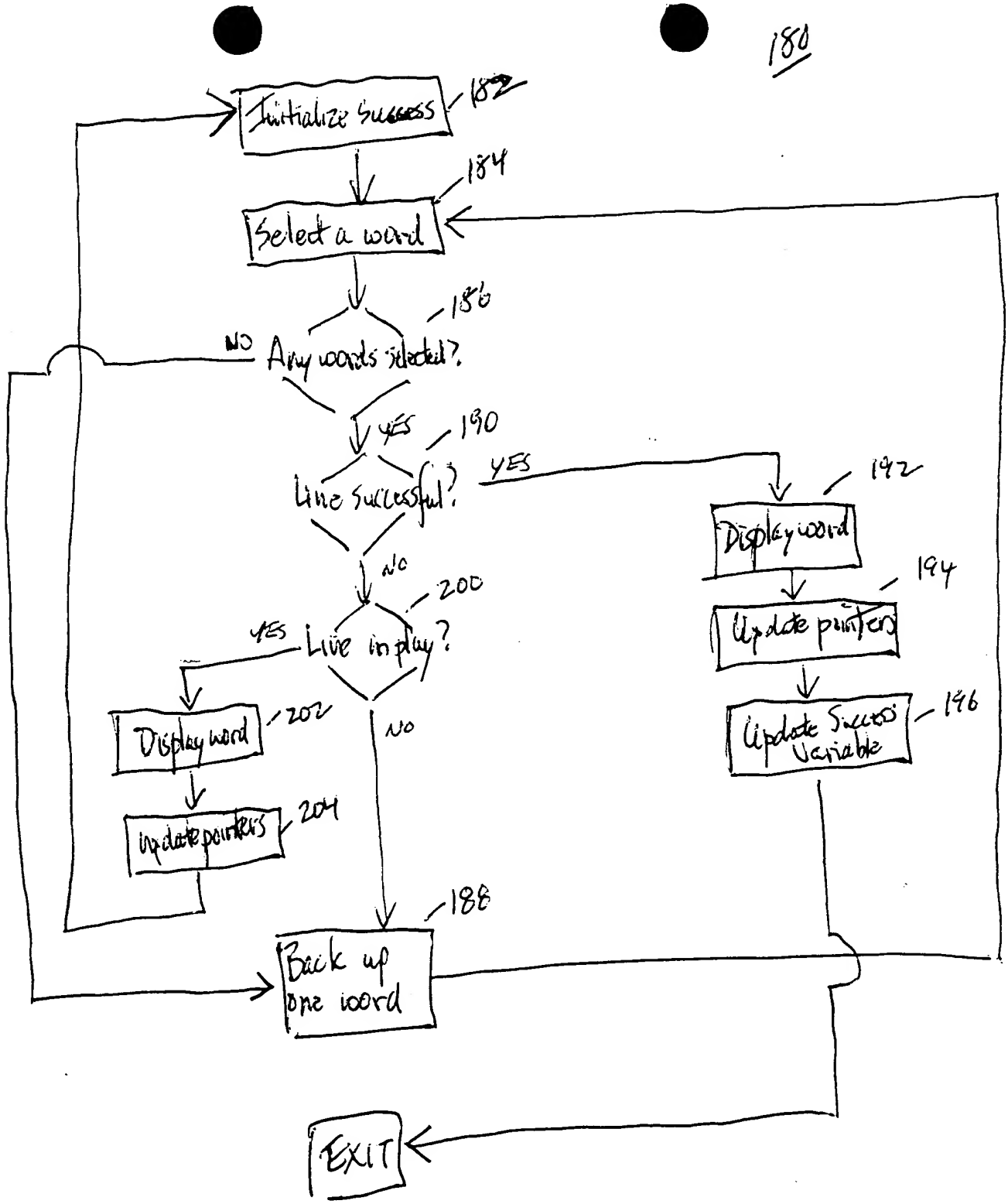
180
Initialize Success
182
Select a word
184
Any words selected?
186
NO
YES
Line successful?
190
YES
192
Display word
NO
Update pointers
194
Update Success Variable
196
Line in play?
200
YES
Display word
202
Update pointers
204
NO
Back up one word
188
EXIT

FIG. 12

210

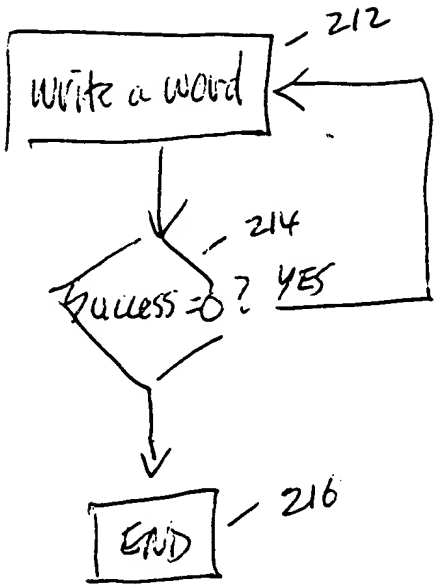

FIG. 13

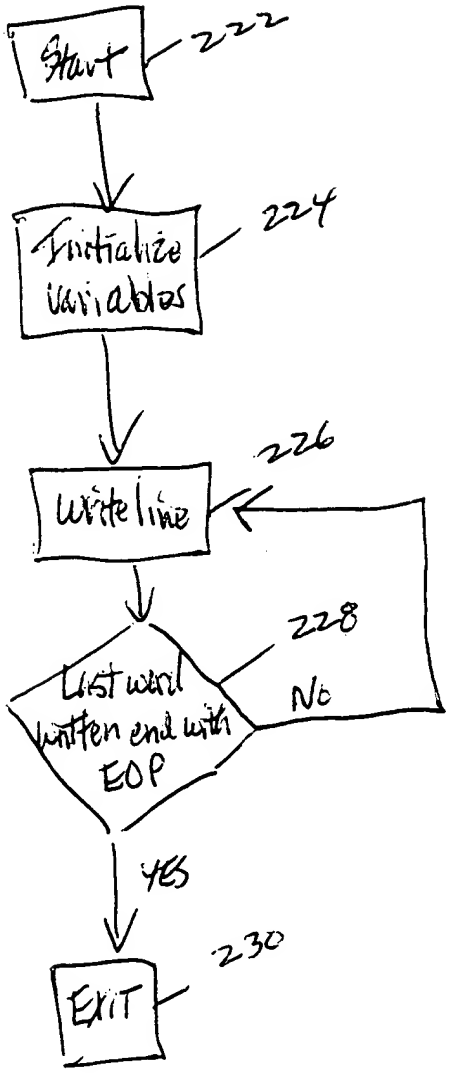
220
Start
222
Initialize variables
224
Write line
226
Last word written end with EOP
228
No
YES
EXIT
230

FIG. 14

250

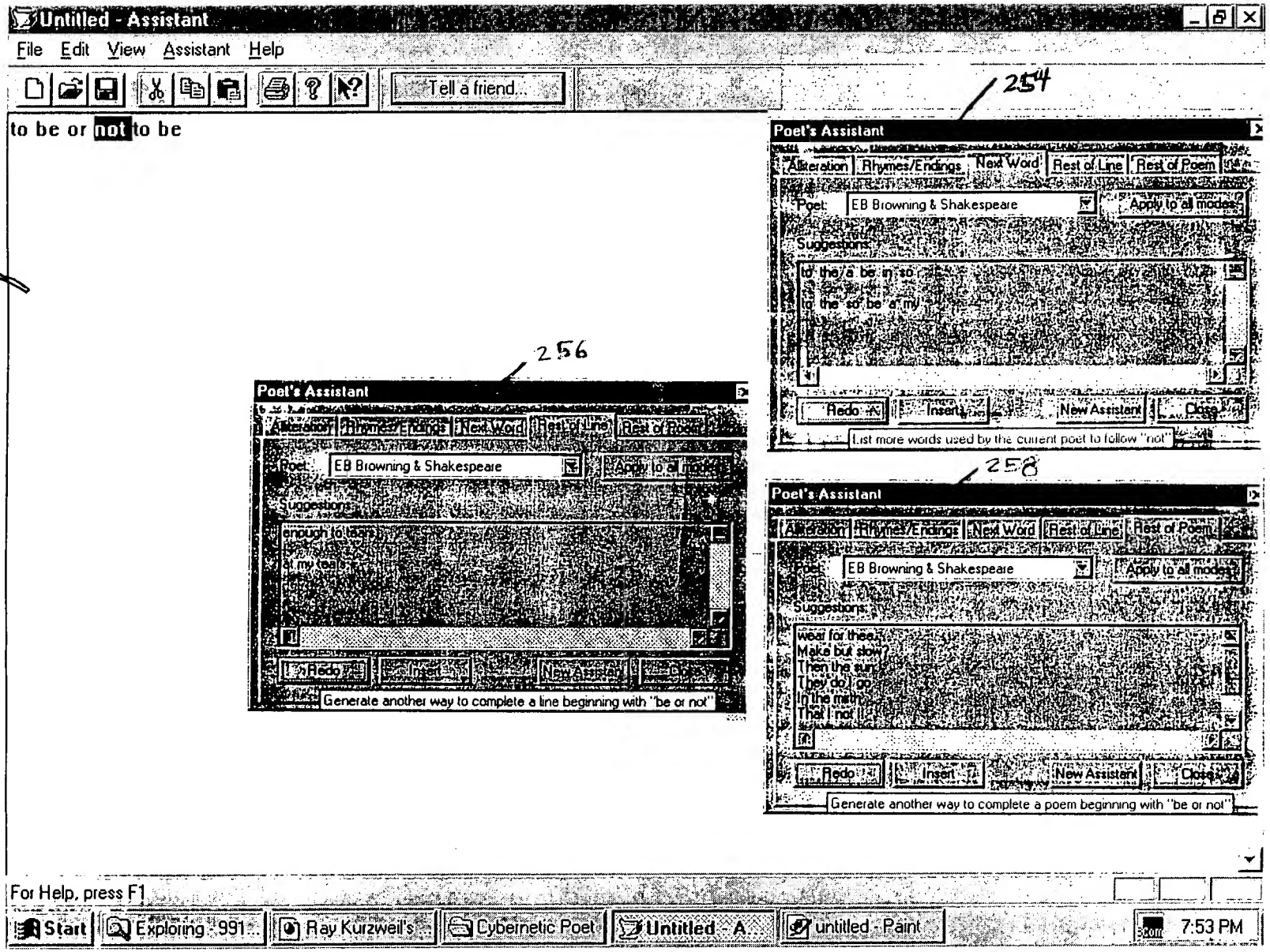
Untitled - Assistant
File Edit View Assistant Help
Tell a friend...
to be or not to be
252
254
Poet's Assistant
Alteration Rhymes/Endings Next Word Rest of Line Rest of Poem
Poet: EB Browning & Shakespeare
Apply to all modes
Suggestions:
to the/a be in so
to the so be a my
Redo
Insert
New Assistant
Close
List more words used by the current poet to follow "not"
256
Poet's Assistant
Poet: EB Browning & Shakespeare
Suggestions:
enough to tears
at my tea
Generate another way to complete a line beginning with "be or not"
258
Poet's Assistant
Poet: EB Browning & Shakespeare
Suggestions:
wear for thee?
Make but slow?
Then the sun
They do I go
In the meth
That I not
Generate another way to complete a poem beginning with "be or not"
For Help, press F1
Start
Exploring - 991...
Ray Kurzweil's...
Cybernetic Poet
Untitled - A...
untitled - Paint
7:53 PM

FIG. 15